

CD52 active protein

Active Recombinant Human CD52 Protein

CATALOG #
AAA282516

HOST
HEK293 cells

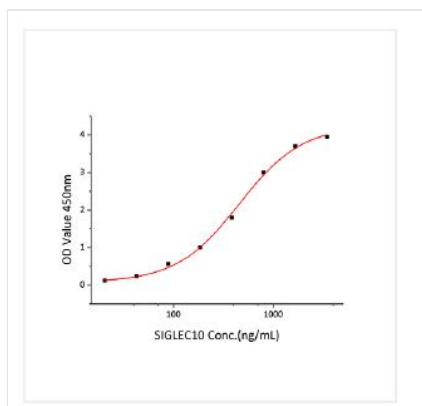
PRODUCT SYNONYMS

CD52; Active Recombinant Human CD52 Protein; CDW52; EDDM5; CD52 active protein

PRODUCT SPECIFICATIONS

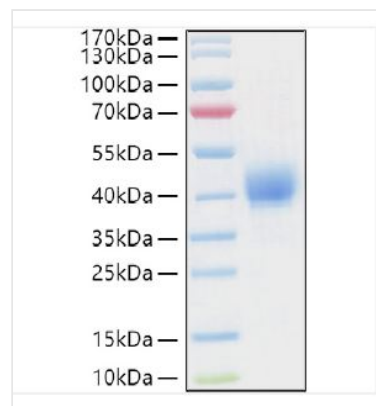
Host	HEK293 cells
Purity/Purification	> 95% by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	HEK293 cells
Tag	C-hFc&Avi
Bioactivity	Measured by its binding ability in a functional ELISA. Immobilized Human CD52 Protein at 5 ug/mL (100 uL/well) can bind SIGLEC10 with a linear range of 20.49-455.65ng/mL.
Endotoxin	<0.1EU/ug
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Preparation and Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data

Immobilized Human CD52 Protein at 5 ug/mL (100 uL/well) can bind SIGLEC10 with a linear range of 20.49-455.65ng/mL.



SDS-PAGE

Recombinant Human CD52 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 38-48kDa.

ADDITIONAL INFORMATION

Related Product Information for CD52 active protein	Description: Recombinant Human CD52 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly25-Ser36) of human CD52 (Accession #NP_001794.2) fused with a Fc, Avi tag at the C-terminus. Background: CD52 / CDW52 is a small glycosylphosphatidylinositol (GPI) anchored glycoprotein. It has a mature peptide comprising only 12 amino acids and is abundantly expressed on human lymphocytes. From the clinical point of view this protein is an important target for therapeutic interventions aimed at leukocyte depletion in hematological malignancies and post-transplant immunosuppression. CD52 / CDW52 may play a role in carrying and orienting carbohydrate. It is an unusually good target for complement-mediated cell lysis.
Product Categories/Family for CD52 active protein	Biosimilar Drug Targets

NCBI AND UNIPROT INFORMATION

NCBI GI #	399214
NCBI GeneID	1043
UniProt Accession #	P31358; Q5T138; Q9BW46
NCBI Official Full Name	CAMPATH-1 antigen
NCBI Official Synonym Full Names	CD52 molecule
NCBI Official Symbol	CD52
NCBI Official Synonym Symbols	CDW52; EDDM5
NCBI Protein Information	CAMPATH-1 antigen
UniProt Protein Name	CAMPATH-1 antigen
UniProt Gene Name	CD52
UniProt Synonym Gene Names	CDW52; HE5; He5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-cells-active-protein/cd52/282516>